Course Outline

The St Patrick’s Technical College Metals & Engineering course prepares students for career pathways in the manufacturing, mining, resources, engineering and defence industries. Students become skilled at welding (oxy, mig, arc and tig), cutting, shaping and manufacturing metal structures and components, machining using lathes and milling machines, and design.

Demand for engineering tradespeople in fabrication and mechanical trades is high and opportunities for apprenticeships are very good.

Students wishing to pursue a career in Advanced Manufacturing or Defence Materiel can combine this course with the College’s Applied Engineering program.

Course structure

Students study a unique SACE course, developed at St Patrick’s Technical College for the Metals & Engineering industry, and undertake pre-vocational training for Certificate II in Engineering (MEM20105).

All theory subjects are tailored specifically for the course being undertaken while practical subjects are industry relevant and highly experiential.

- **Trade-based theory subjects**
  - Mathematics & Numeracy for Work
  - English in the Workplace
  - Trade Science (Engineering)

- **Practical subjects**
  - Technical Graphics
  - Material Products

- **Pre-vocational training**
  - Certificate II in Engineering (MEM20105)

A full list of the competencies delivered in this course is available from the College website.

All pre-vocational programs at St Patrick’s are delivered under an exclusive cooperative agreement with TAFE SA.

This course prepares students to move into our Apprenticeship program at the completion of Year 11 should they be successful in gaining a School-based Apprenticeship, or into a full-time apprenticeship upon graduation.

- **Workplace Practices**

  *Workplace Practices* gives students the skills necessary to work effectively in teams and allows them to gain a detailed understanding of their chosen trade.

Career planning, research, employability, self-evaluation and goal setting skills are extensively covered in this subject. The program includes:

- Skills for Life
- Health & Fitness for Work

*Work Experience* is an integral part of the College’s Workplace Practices program. It provides an opportunity for students to:

- experience their trade first hand;
- develop skills for the workplace; and
- gain feedback from employers about their general employability skills.

*It is also a great way to impress potential employers!*

Year 11 and 12 campus-based students undertake a minimum of six weeks’ *Work Experience* per year.

- **School-based Apprenticeships**

A School-based Apprenticeship (SbA) is a mix of academic, vocational education and training, and employment. It provides students with employment skills, real-world experience and is an integral part of their school program.

St Patrick’s is the School-based Apprenticeship specialist and is able to accommodate SbA students like no other school in SA.

Due to the flexibility built into all our programs, St Patrick’s students can spend up to 40 weeks of their final school year full-time with an employer.

*This time is paid* and enables students to complete up to the first year of their apprenticeship at the same time as completing their SACE. Whilst in their SbA, the student is mentored by a member of the St Patrick’s team.

At graduation, the School-based Apprenticeship is automatically updated to a full-time position.

Career pathways

St Patrick’s Technical College is part of an extensive network of employers, industry associations, training providers and group training organisations. With families, we use this network to assist students in making the transition to work while they are still at school.

2014 Enrolment information

Enrolments are now open for 2014. Places for our most popular courses fill quickly, therefore your early enquiry is encouraged.

Call or visit us online to arrange for an enrolment package to be sent to you.